Weekly check: Year 9 part 1

Answers

KS3 Maths weekly check

This check online

Q	Answer	Marks
1	400	3
2	Jug A (1 : 4 compared with 1 : 4.5)	2
3	**a)** 1200 m **b)** 25 minutes **c)** 1250 g	3
4	**a)** 40% **b)** 1.35	2
5	$1\frac{1}{3}$	3
6	**a)** $\frac{2}{5}$ **b)** $\frac{1}{14}$ **c)** $\frac{2}{3}$	3
7	**a)** $5^{1}2$ **b)** 1	2
8	$3 \times 10^{1}0$	2
9	**a)** 1 : 3.5 **b)** 1 : 24	2
10	**a)** $\frac{7}{20}$ **b)** 12%	2
11	Voucher A. It saves 24% of £75 = £18, while Voucher B saves 32% of £55 = £17.60, so Voucher A saves £0.40 more.	3
12	Any valid pair, e.g. 21 and 28 (21 = 3 × 7 and 28 = 4 × 7, and 3 and 4 share no common factor greater than 1, so HCF = 7).	2
13	French (85% compared with 84%)	3
14	**a)** 300 **b)** 303.401	3
15	6 hours	2
16	£3121.20	2
17	**a)** 5.07×10^{5} **b)** 0.0026	2
18	8	3
19	**a)** 72% **b)** 15%	2
20	**a)** $12.35 \leq t < 12.45$ **b)** $12.4 \leq s < 12.5$ **c)** No, the intervals overlap	4

Full worked solutions, written out by hand, are on the solutions sheet for this check.

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